

# Yao Shan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2995606/publications.pdf>

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11  
papers

78  
citations

1684188

5  
h-index

1720034

7  
g-index

12  
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12  
docs citations

12  
times ranked

92  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of depths of traps for interstitials from thermodynamic data: a new view on carbon trapping and diffusion. Modelling and Simulation in Materials Science and Engineering, 2013, 21, 065012.	2.0	17
2	The Life-Time of Structural Vacancies in the Presence of Solute Trapping. Materials Science Forum, 0, 794-796, 963-970.	0.3	14
3	Determination of depths of multiple traps for interstitials and their influence on diffusion kinetics. Modelling and Simulation in Materials Science and Engineering, 2014, 22, 065015.	2.0	13
4	Modeling of Bake Hardening Kinetics and Carbon Redistribution in Dual-Phase Steels. Steel Research International, 2021, 92, 2000307.	1.8	7
5	Strain aging characterization and physical modelling of over-aging in dual phase steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 788, 139595.	5.6	7
6	Evolution of Precipitates and Martensite Substructure During Continuous Heat Treatment. Materials Today: Proceedings, 2015, 2, S619-S622.	1.8	6
7	Analysis of Clustering Characteristics during early Stages of Cu Precipitation in bcc-Fe. Solid State Phenomena, 0, 172-174, 309-314.	0.3	5
8	Couples and pairs formation—thermodynamic and kinetic modelling applied to Al—Mg—Si. Modelling and Simulation in Materials Science and Engineering, 2017, 25, 065011.	2.0	5
9	A thermokinetic model for Mg—Si couple formation in Al—Mg—Si alloys. Modelling and Simulation in Materials Science and Engineering, 2016, 24, 035021.	2.0	4
10	Determination of Substitutional-Interstitial Interaction from Chemical Potentials of Interstitials in the Steel Matrix. Advanced Materials Research, 0, 922, 645-650.	0.3	0
11	Progress of Physics-based Mean-field Modeling and Simulation of Steel. BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik, 2022, 167, 15-22.	1.0	0